

New Patent Application
Docket No. 32860-000621/US

Patent claims What is claimed:

1. A method for the rule-based conversion of unstructured text information into a structured format, ~~having the following steps comprising:~~
 - a) inputting structuring rules (10) for structuring the unstructured text information; (9) are input;
 - b) recording unstructured text information (9) is recorded;
 - c) parsing the unstructured text information (9) is parsed in order to produce relatively smaller text fragments;
 - d) searching text units of the unstructured text information (9) are searched for text fragments defined in the structuring rules (10); and
 - e) structuring the text fragments of the unstructured text information (9) are structured on the basis of conditions stipulated in the structuring rules (10).
2. The method as claimed in claim 1, characterized in that wherein the unstructured text information (9) is recorded in step b) by a microphone, with and wherein a voice recognition program is being used for conversion to the unstructured text information.
3. The method as claimed in claim 1 or 2, characterized in that wherein the structuring rules (10) contain include information relating to the text fragments for which the a free text report needs to be searched.
4. The method as claimed in one of claims 1 to 3, characterized in that wherein the structuring rules

(10) ~~contain include~~ information relating to the text fragments about which structure element is represented thereby.

5. The method as claimed in ~~one of claims 1 to 4~~, characterized in that wherein the structuring rules (10) ~~contain include~~ information about how the structure needs to be set up.

6. An apparatus for the rule-based conversion of unstructured text information into a structured format, having comprising:

an input apparatus (1, 2) for, adapted to input unstructured text information;

(9), having an input apparatus (1) and a memory apparatus (4) for, adapted to structuring rules;

(10), having

an extraction apparatus (6), adapted to extract relatively for smaller text units from the unstructured text information, having;

a structuring apparatus (7) for, adapted to produceing structured text information (11) on the basis of the structuring rules (10); and

having an evaluation apparatus, adapted to (8) forevaluate the text units in the structured text information (11).

7. The apparatus as claimed in claim 6, characterized in that wherein the input apparatus (2) for unstructured text information (9) has includes an associated apparatus (3) for voice recognition.

8. The apparatus as claimed in claim 6 ~~or~~ 7, characterized in that wherein DICOM-SR is used as structured format for the structured text information (9).

9. The apparatus as claimed in ~~one of claims 6 to 8~~, characterized in that wherein XML is used as structured format for the structured text information (9).
10. The method as claimed in claim 2, wherein the structuring rules include information relating to the text fragments for which a free text report needs to be searched.
11. The method as claimed in claim 2, wherein the structuring rules include information relating to the text fragments about which structure element is represented thereby.
12. The method as claimed in claim 2, wherein the structuring rules include information about how the structure needs to be set up.
13. The apparatus as claimed in claim 7, wherein DICOM-SR is used as structured format for the structured text information.
14. The apparatus as claimed in claim 7, wherein XML is used as structured format for the structured text information.
15. The apparatus as claimed in claim 6, wherein XML is used as structured format for the structured text information.
16. An apparatus for rule-based conversion of unstructured text information into a structured format, comprising:
means for inputting structuring rules for structuring the unstructured text information;

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means for recording unstructured text information;
means for parsing the unstructured text information to produce relatively smaller text fragments;
means for searching the unstructured text information for text fragments defined in the structuring rules; and
means for structuring the text fragments of the unstructured text information on the basis of conditions stipulated in the structuring rules.

17. The apparatus as claimed in claim 16, wherein the means for recording includes a microphone, and wherein the means for inputting includes a voice recognition program for conversion to the unstructured text information.
18. The method as claimed in claim 16, wherein the structuring rules include information relating to the text fragments for which a free text report needs to be searched.
19. The method as claimed in claim 16, wherein the structuring rules include information relating to the text fragments about which structure element is represented thereby.
20. The method as claimed in claim 16, wherein the structuring rules include information about how the structure needs to be set up.